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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-259335

(43)Date of publication of application : 24.09.1999

(51)Int.Cl.

G06F 11/28

(21)Application number : 10-059461

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(22)Date of filing : 11.03.1998

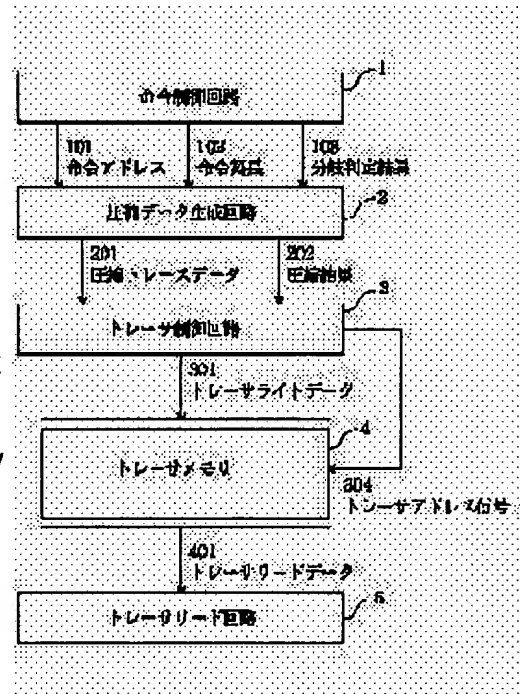
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## (54) TRACER DEVICE, TRACE DATA COMPRESSING METHOD AND COMPRESSED TRACE DATA READING METHOD

## (57)Abstract:

PROBLEM TO BE SOLVED: To acquire many pieces of trace data with a limited tracer memory by tracing a number specifying the instruction word length of an instruction address whose instruction is not branched as compression trace data.

SOLUTION: An instruction control circuit 1 outputs an executed instruction address 101 and its instruction work length 102 by a circuit controlling program execution, also decides whether or not an instruction is branched by the execution of the instruction and outputs a decision result 103. The address 101, the length 102 and the result 103 are inputted to a compressed data generation circuit 2. The circuit 2 decides it as compressible when the decision result is 'zero' and outputs a number specifying the length 102 as compression trace data 201 about the address 101 outputted from the circuit 1. Also, when the decision result is 'one', it decides it as uncompressible and outputs the address 101 outputted from the circuit 101 as it is as compression trace 201.



## LEGAL STATUS

[Date of request for examination]

11.03.1998

[Date of sending the examiner's decision of

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rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number] 2878264

[Date of registration] 22.01.1999

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right] 22.01.2004

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